

WHAT IS CLAIMED IS:

1. A method for recovering from a failure event on
a communication path between an information handling
5 system and a sequential storage device, comprising:
monitoring the communication path during an
information exchange for a failure event;
marking, in response to detection of a failure
event, a point in the information exchange at which the
10 failure event occurred; and
initiating a continuation of the information
exchange from the point of failure on a fail-over
communication path between the information handling
system and the sequential storage device.
15
2. The method of Claim 1, further comprising
marking the point of failure in a host bus adapter of the
information handling system.
- 20 3. The method of Claim 1, further comprising
marking the point of failure in the sequential storage
device.
4. The method of Claim 1, further comprising
25 communicating the point of failure to a fail-over host
bus adapter on the information handling system using a
support driver.

5. The method of Claim 1, further comprising including an originator exchange identifier, a receiver exchange identifier and a port identifier in the marking of the point of failure.

5

6. The method of Claim 1, further comprising querying the sequential storage device by the information handling system for identification of its marked point of failure.

10

7. The method of Claim 6, further comprising initiating continuation of the information exchange based on sequential storage device query results.

15

8. The method of Claim 1, further comprising passing a pointer to a buffer including contents of the information exchange from a host bus adapter associated with the failed communication path to a fail-over host bus adapter associated with a fail-over communication path.

20

9. Software for completing a transaction between a sequential storage device and a host information handling system after a failure event on a communication path between the sequential storage device and the host
5 information handling system, the software embodied in computer readable media and when executed operable to:
detect a failure event on the communication path;
retain information concerning at least one open exchange being communicated on the communication path;
10 retrieve an exchange status indicating a point in the exchange at which the failure event occurred; and
continue communication of the exchange based on the exchange status on a fail-over path between the host information handling system and the sequential storage
15 device.

10. The software of Claim 9, further operable to query the sequential storage device for the exchange status indicating the point in the exchange at which the
20 failure event occurred.

11. The software of Claim 9, further operable to:
read open exchange information from a host bus adapter associated with the failed communication path;
25 and
communicate the open exchange information to a host bus adapter associated with the fail-over communication path.

12. The software of Claim 9, further operable to monitor continued communication of the exchange for an acknowledgment of exchange completion.

5 13. The software of Claim 9, further operable to buffer data received in the exchange communication at the sequential storage device.

10 14. The software of Claim 9, further operable to retain information concerning at least one open exchange on the host information handling system and the sequential storage device.

15. An information handling system, comprising:
at least one processor;
a memory operably coupled to the processor;
at least one communication device operably coupled
5 to the processor and the memory, the communication device
operable to communicate data on at least one
communication path; and
a program of instructions storable in the memory and
executable by the processor, the program of instructions
10 operable to mark a point of failure in an information
exchange with a sequential storage device in response to
a communication path failure and facilitate communication
of the information exchange with the sequential storage
device from the point of failure on a fail-over
15 communication path.

16. The information handling system of Claim 15,
further comprising the program of instructions operable
to respond to a query concerning the information exchange
20 point of failure.

17. The information handling system of Claim 15,
further comprising the program of instructions operable
to query the sequential storage device to identify the
25 information exchange point of failure.

18. The information handling system of Claim 15,
further comprising the program of instructions operable
to communicate data concerning the information exchange
to communication hardware associated with the fail-over
5 communication path.

19. The information handling system of Claim 15,
further comprising the program of instructions operable
to include at least an originator exchange identifier and
10 a receiver exchange identifier and marking the point of
failure of the information exchange.

20. The information handling system of Claim 15,
further comprising:
15 a first host bus adapter operable to communicate
with the sequential storage device along a first
communication path;
a second host bus adapter operable to communicate
with the sequential storage device along a second
20 communication path; and
at least one host bus adapter operable to retain an
exchange state for at least one open exchange being
communicated on an associated communication path.

21. The information handling system of Claim 15,
further comprising:

a fibre channel interface module operable to receive
at least one information exchange on a communication

5 path; and

the fibre channel interface module operable to
retain an exchange state for at least one open exchange
communicated on the communication path.